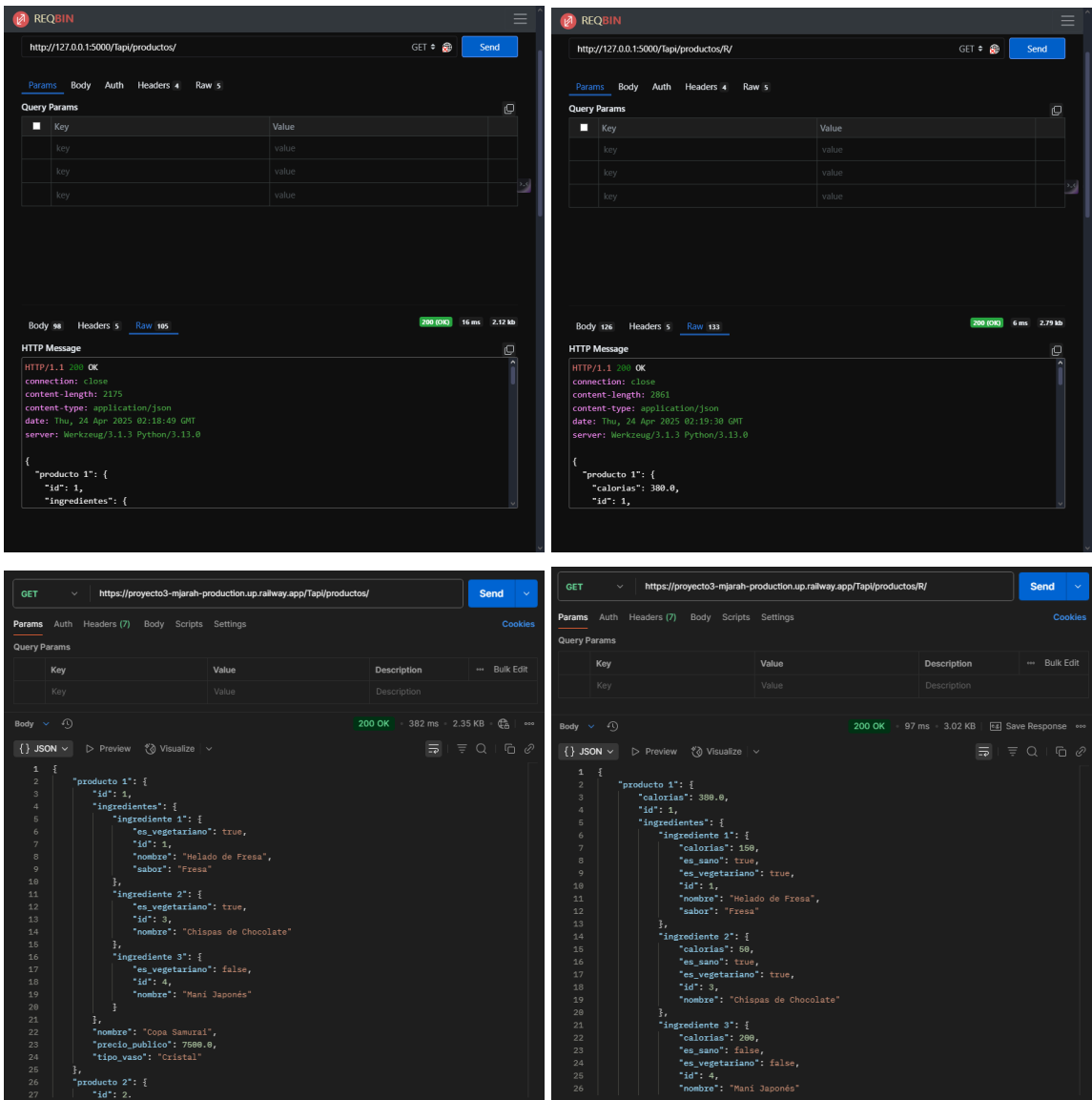


# Punto 5 | Construir el API Rest

- Consultar todos los productos



• Consultar un producto según su ID

REQBIN

http://127.0.0.1:5000/api/producto/ID?id=1

GET

Send

Params

Body

Auth

Headers

Raw

Query Params

<input checked="" type="checkbox"/>	Key	Value	
<input checked="" type="checkbox"/>	id	1	
	key	value	
	key	value	

Body

Headers

Raw

HTTP Message

```
HTTP/1.1 200 OK
connection: close
content-length: 643
content-type: application/json
date: Thu, 24 Apr 2025 02:28:14 GMT
server: Werkzeug/3.1.3 Python/3.13.0

{
  "calorias": 388.0,
  "id": 1,
  "ingredientes": {
```

GET

https://proyecto3-mjraah-production.up.railway.app/Tapi/producto/ID?id=1

Send

Params

Auth

Headers

Body

Scripts

Settings

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/>	id	1		
	Key	Value	Description	

Body

200 OK

338 ms

870 B

JSON

Preview

Visualize

```
1 {
2   "calorias": 388.0,
3   "id": 1,
4   "ingredientes": {
5     "ingrediente 1": {
6       "calorias": 150,
7       "es_sano": true,
8       "es_vegetariano": true,
9       "id": 1,
10      "nombre": "Helado de Fresa",
11      "sabor": "Fresa"
12    },
13    "ingrediente 2": {
14      "calorias": 60,
15      "es_sano": true,
16      "es_vegetariano": true,
17      "id": 3,
18      "nombre": "Chispas de Chocolate"
19    },
20    "ingrediente 3": {
21      "calorias": 280,
22      "es_sano": false,
23      "es_vegetariano": false,
24      "id": 4,
25      "nombre": "Mani Japonés"
```

REQBIN

http://127.0.0.1:5000/api/producto/ID?id=2

GET

Send

Params

Body

Auth

Headers

Raw

Query Params

<input checked="" type="checkbox"/>	Key	Value	
<input checked="" type="checkbox"/>	id	2	
	key	value	
	key	value	

Body

Headers

Raw

HTTP Message

```
HTTP/1.1 200 OK
connection: close
content-length: 645
content-type: application/json
date: Thu, 24 Apr 2025 02:28:29 GMT
server: Werkzeug/3.1.3 Python/3.13.0

{
  "calorias": 600,
  "id": 2,
  "ingredientes": {
```

GET

https://proyecto3-mjraah-production.up.railway.app/Tapi/producto/ID?id=2

Send

Params

Auth

Headers

Body

Scripts

Settings

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/>	id	2		
	Key	Value	Description	

Body

200 OK

338 ms

870 B

JSON

Preview

Visualize

Save Response

```
1 {
2   "calorias": 388.0,
3   "id": 1,
4   "ingredientes": {
5     "ingrediente 1": {
6       "calorias": 150,
7       "es_sano": true,
8       "es_vegetariano": true,
9       "id": 1,
10      "nombre": "Helado de Fresa",
11      "sabor": "Fresa"
12    },
13    "ingrediente 2": {
14      "calorias": 60,
15      "es_sano": true,
16      "es_vegetariano": true,
17      "id": 3,
18      "nombre": "Chispas de Chocolate"
19    },
20    "ingrediente 3": {
21      "calorias": 280,
22      "es_sano": false,
23      "es_vegetariano": false,
24      "id": 4,
25      "nombre": "Mani Japonés"
```

• Consultar un producto según su nombre

REQBIN

Name: enter name (optional) Save Share Generate

http://127.0.0.1:5000/tapi/producto/name/?nombre=copa GET Send

Params Body Auth Headers Raw

Query Params

<input checked="" type="checkbox"/>	Key	Value
<input checked="" type="checkbox"/>	nombre	copa
<input type="checkbox"/>	key	value
<input type="checkbox"/>	key	value

Body 31 Headers 5 Raw 38 200 OK 160 ms 0.63 kb

HTTP Message

```
HTTP/1.1 200 OK
connection: close
content-length: 643
content-type: application/json
date: Thu, 24 Apr 2025 02:21:01 GMT
server: Werkzeug/3.1.3 Python/3.13.0

{
  "calorias": 380.0,
  "id": 1,
  "ingredientes": {
```

REQBIN

Name: enter name (optional) Save Share Generate

http://127.0.0.1:5000/tapi/producto/name/?nombre=malteada GET Send

Params Body Auth Headers Raw

Query Params

<input checked="" type="checkbox"/>	Key	Value
<input checked="" type="checkbox"/>	nombre	malteada
<input type="checkbox"/>	key	value
<input type="checkbox"/>	key	value

Body 31 Headers 5 Raw 38 200 OK 6 ms 0.63 kb

HTTP Message

```
HTTP/1.1 200 OK
connection: close
content-length: 645
content-type: application/json
date: Thu, 24 Apr 2025 02:21:54 GMT
server: Werkzeug/3.1.3 Python/3.13.0

{
  "calorias": 600,
  "id": 2,
  "ingredientes": {
```

GET https://proyecto3-mjraah-production.up.railway.app/tapi/producto/name/?nombre=copa Send

Params Auth Headers (7) Body Scripts Settings Cookies

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description
<input checked="" type="checkbox"/>	nombre	copa	
<input type="checkbox"/>	key	value	Description

Body 200 OK 352 ms 870 B Save Response

JSON Preview Visualize

```
1 {
2   "calorias": 380.0,
3   "id": 1,
4   "ingredientes": {
5     "ingrediente 1": {
6       "calorias": 150,
7       "es_sano": true,
8       "es_vegetariano": true,
9       "id": 1,
10      "nombre": "Helado de Fresa",
11      "sabor": "Fresa"
12    },
13    "ingrediente 2": {
14      "calorias": 60,
15      "es_sano": true,
16      "es_vegetariano": true,
17      "id": 3,
18      "nombre": "Chispas de Chocolate"
19    },
20    "ingrediente 3": {
21      "calorias": 200,
22      "es_sano": false,
23      "es_vegetariano": false,
24      "id": 4,
25      "nombre": "Mani Jaconés"
```

GET https://proyecto3-mjraah-production.up.railway.app/tapi/producto/name/?nombre=malteada Send

Params Auth Headers (7) Body Scripts Settings Cookies

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description
<input checked="" type="checkbox"/>	nombre	malteada	
<input type="checkbox"/>	key	value	Description

Body 200 OK 106 ms 872 B Save Response

JSON Preview Visualize

```
1 {
2   "calorias": 600,
3   "id": 2,
4   "ingredientes": {
5     "ingrediente 1": {
6       "calorias": 150,
7       "es_sano": true,
8       "es_vegetariano": true,
9       "id": 1,
10      "nombre": "Helado de Fresa",
11      "sabor": "Fresa"
12    },
13    "ingrediente 2": {
14      "calorias": 60,
15      "es_sano": true,
16      "es_vegetariano": true,
17      "id": 3,
18      "nombre": "Chispas de Chocolate"
19    },
20    "ingrediente 3": {
21      "calorias": 200,
22      "es_sano": false,
23      "es_vegetariano": false,
24      "id": 4,
25      "nombre": "Mani Jaconés"
```

- Consultar las calorías de un producto según su ID

ReqBin interface showing a GET request to `http://127.0.0.1:5000/api/producto/ID/calories/?id=1`. The response is a 200 OK with a JSON body containing product details for 'Copa Samurai'.

Key	Value
id	1
key	value
key	value

HTTP Message:

```
HTTP/1.1 200 OK
connection: close
content-length: 63
content-type: application/json
date: Thu, 24 Apr 2025 02:22:36 GMT
server: Werkzeug/3.1.3 Python/3.13.0
```

```
{
  "calorias": 388.0,
  "id": 1,
  "nombre": "Copa Samurai"
}
```

ReqBin interface showing a GET request to `http://127.0.0.1:5000/api/producto/ID/calories/?id=2`. The response is a 200 OK with a JSON body containing product details for 'Malteada Chocoespacial'.

Key	Value
id	2
key	value
key	value

HTTP Message:

```
HTTP/1.1 200 OK
connection: close
content-length: 71
content-type: application/json
date: Thu, 24 Apr 2025 02:22:46 GMT
server: Werkzeug/3.1.3 Python/3.13.0
```

```
{
  "calorias": 600,
  "id": 2,
  "nombre": "Malteada Chocoespacial"
}
```

ReqBin interface showing a GET request to `https://proyecto3-mjarah-production.up.railway.app/Tapi/producto/ID/calories/?id=1`. The response is a 200 OK with a JSON body containing product details for 'Copa Samurai'.

Key	Value	Description
id	1	
Key	Value	Description

Body:

```
1 {
2   "calorias": 388.0,
3   "id": 1,
4   "nombre": "Copa Samurai"
5 }
```

ReqBin interface showing a GET request to `https://proyecto3-mjarah-production.up.railway.app/Tapi/producto/ID/calories/?id=2`. The response is a 200 OK with a JSON body containing product details for 'Malteada Chocoespacial'.

Key	Value	Description
id	2	
Key	Value	Description

Body:

```
1 {
2   "calorias": 600,
3   "id": 2,
4   "nombre": "Malteada Chocoespacial"
5 }
```

- Consultar la rentabilidad de un producto según su ID

ReqBin interface showing a GET request to `http://127.0.0.1:5000/api/producto/ID/rent/?id=1`. The response is a 200 OK with a JSON body containing product details for 'Copa Samurai'.

Key	Value
id	1
key	value
key	value

HTTP Message:

```
HTTP/1.1 200 OK
connection: close
content-length: 68
content-type: application/json
date: Thu, 24 Apr 2025 02:23:05 GMT
server: Werkzeug/3.1.3 Python/3.13.0
```

```
{
  "id": 1,
  "nombre": "Copa Samurai",
  "rentabilidad": 4900.0
}
```

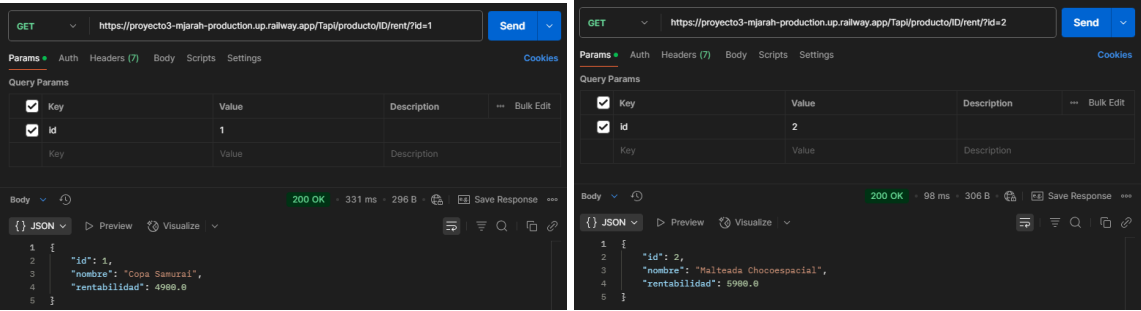
ReqBin interface showing a GET request to `http://127.0.0.1:5000/api/producto/ID/rent/?id=2`. The response is a 200 OK with a JSON body containing product details for 'Malteada Chocoespacial'.

Key	Value
id	2
key	value
key	value

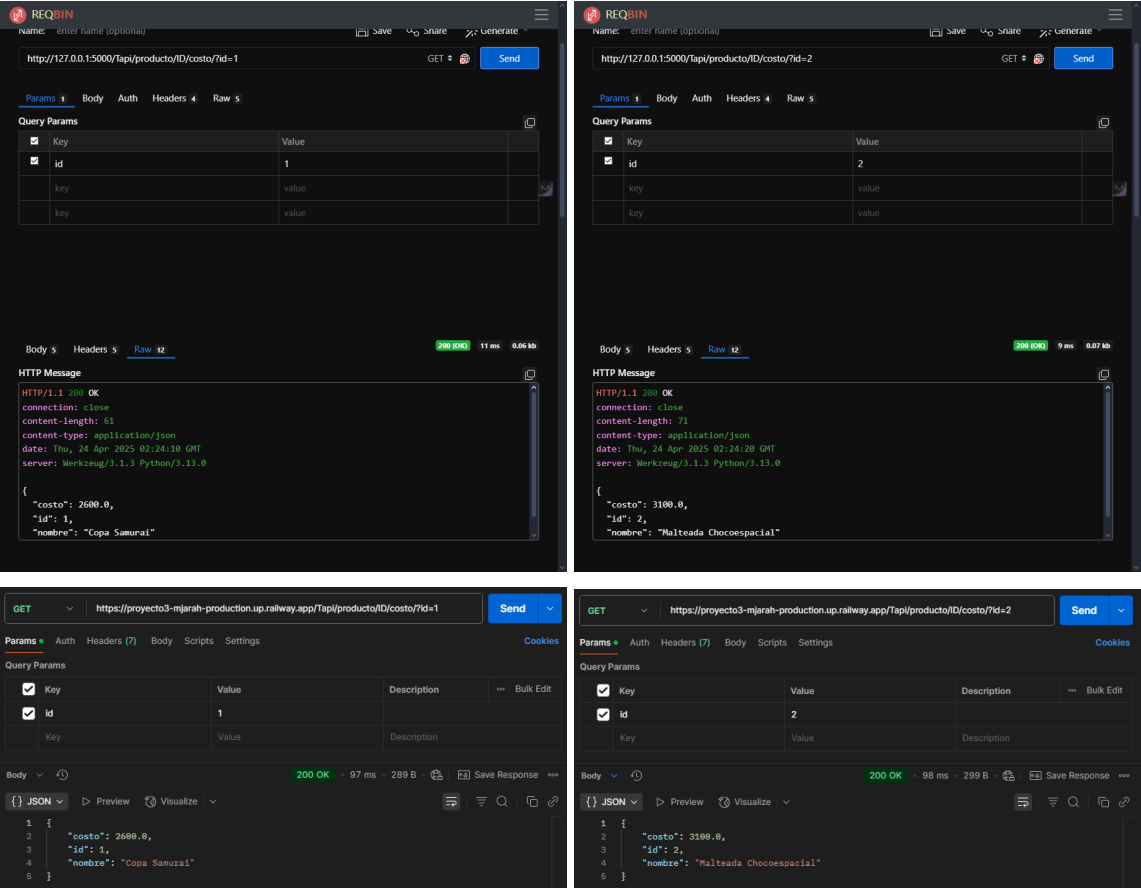
HTTP Message:

```
HTTP/1.1 200 OK
connection: close
content-length: 78
content-type: application/json
date: Thu, 24 Apr 2025 02:23:51 GMT
server: Werkzeug/3.1.3 Python/3.13.0
```

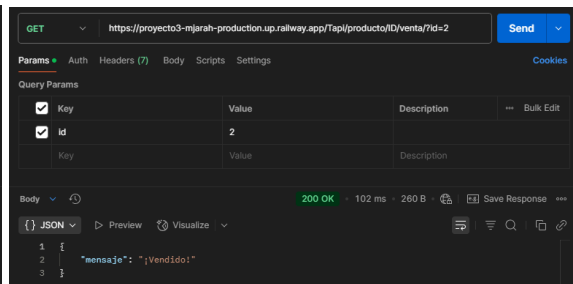
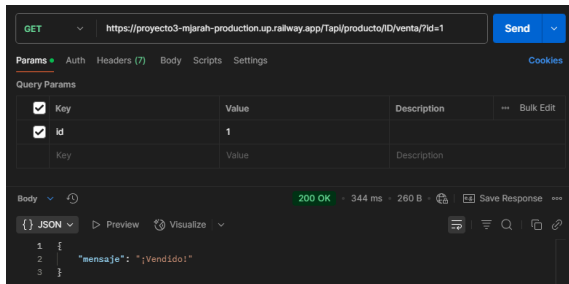
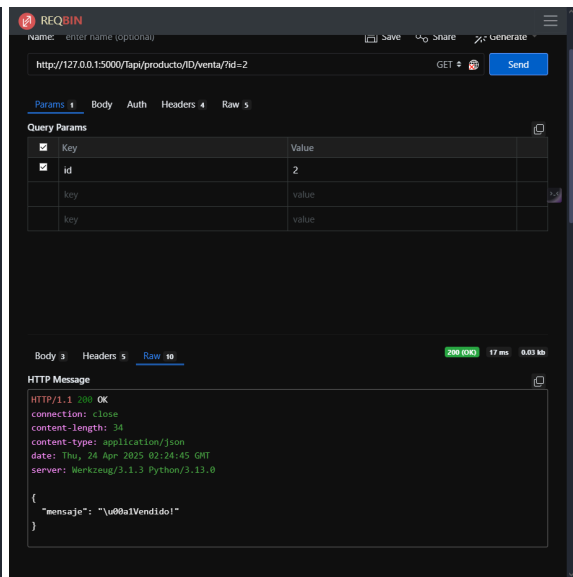
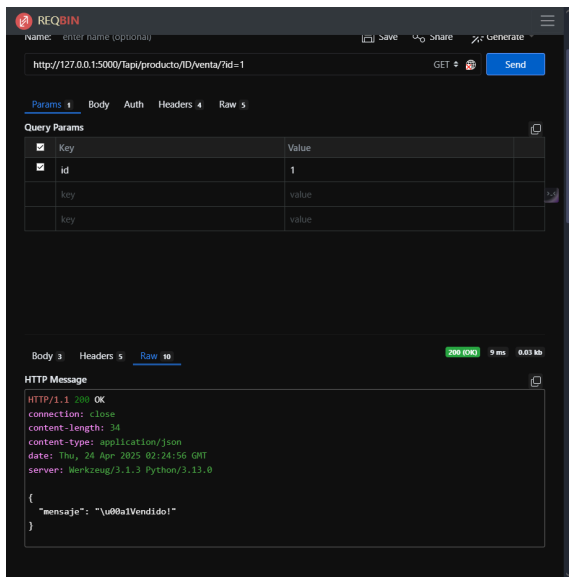
```
{
  "id": 2,
  "nombre": "Malteada Chocoespacial",
  "rentabilidad": 5900.0
}
```



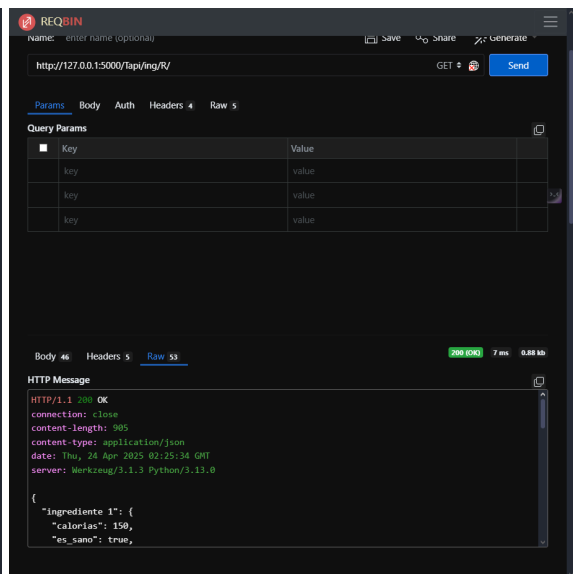
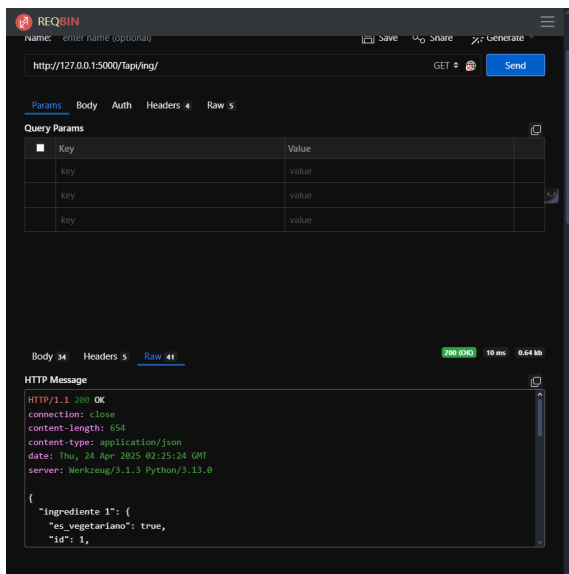
• Consultar el costo de producción de un producto según su ID

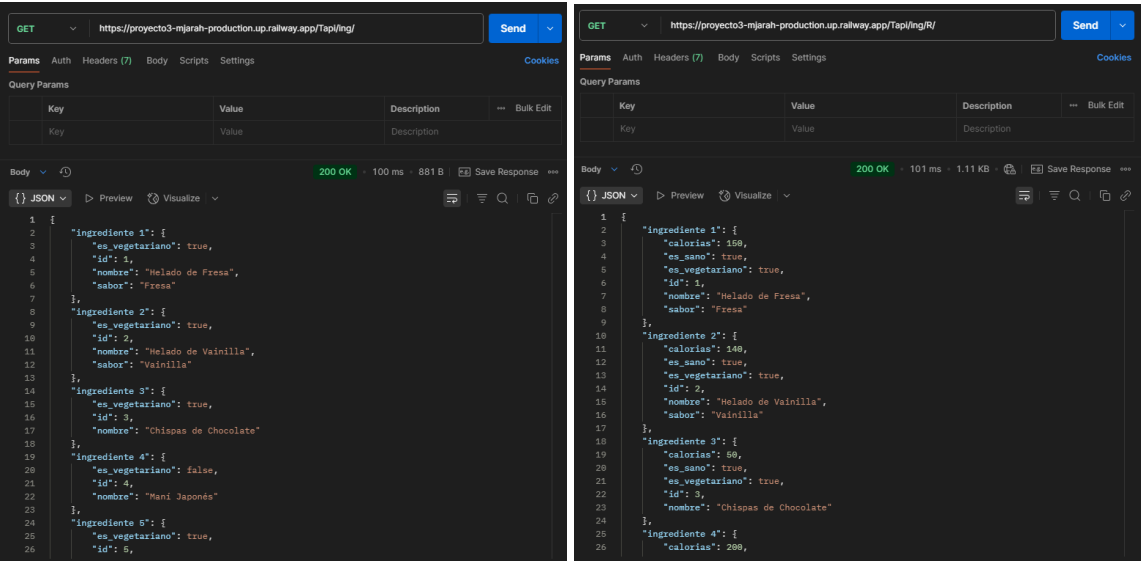


## • Vender un producto según su ID

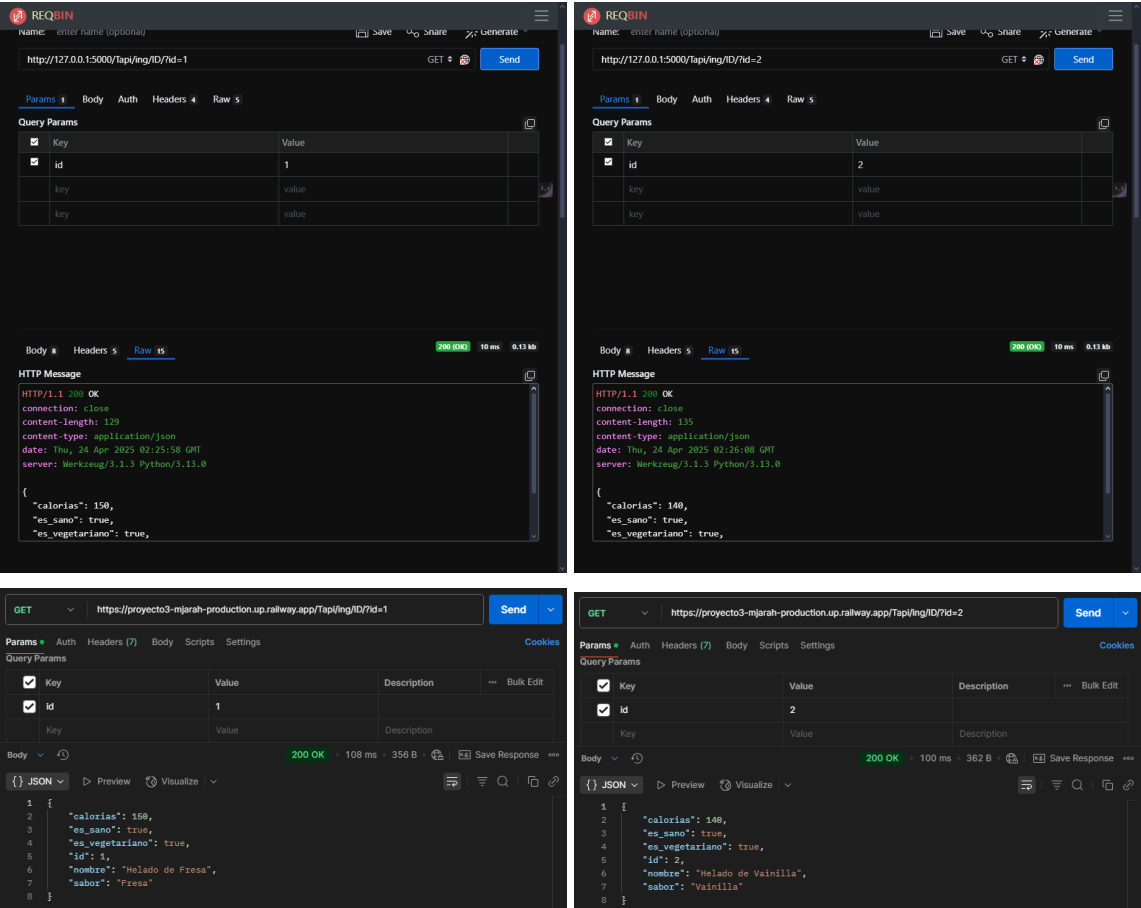


## • Consultar todos los Ingredientes

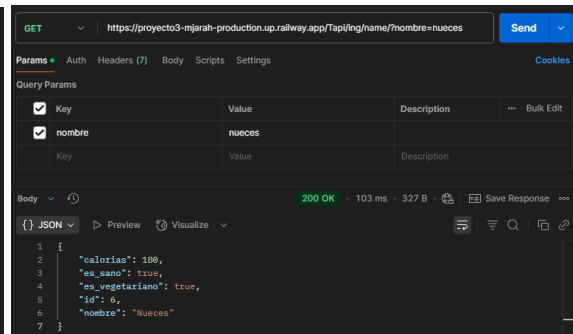
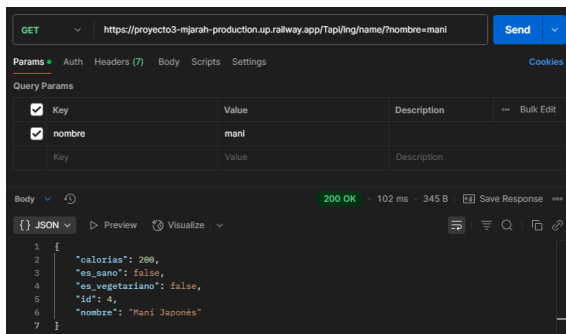
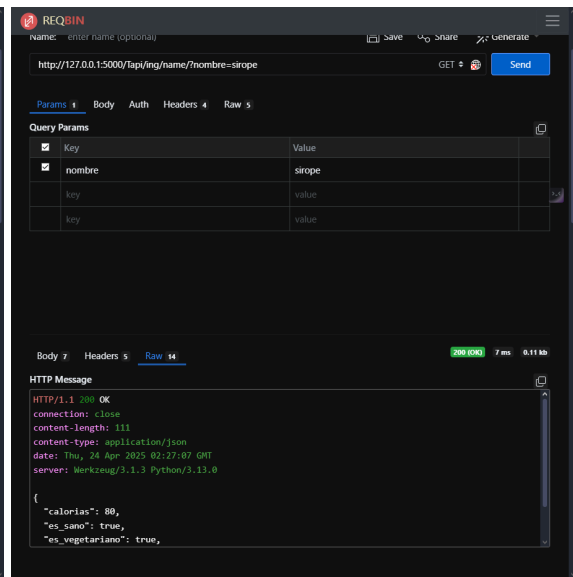
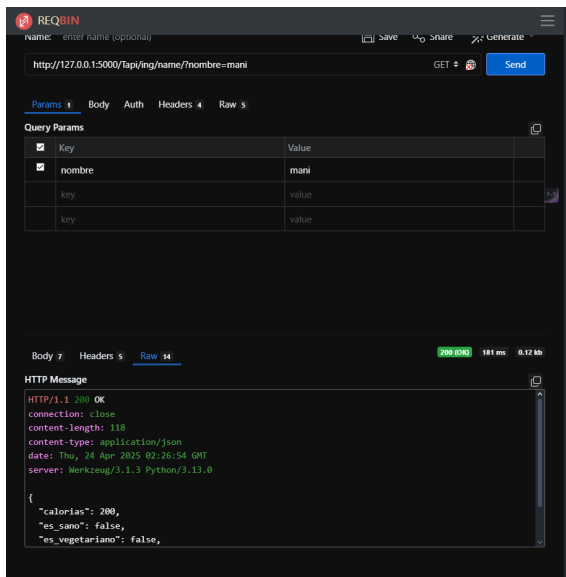




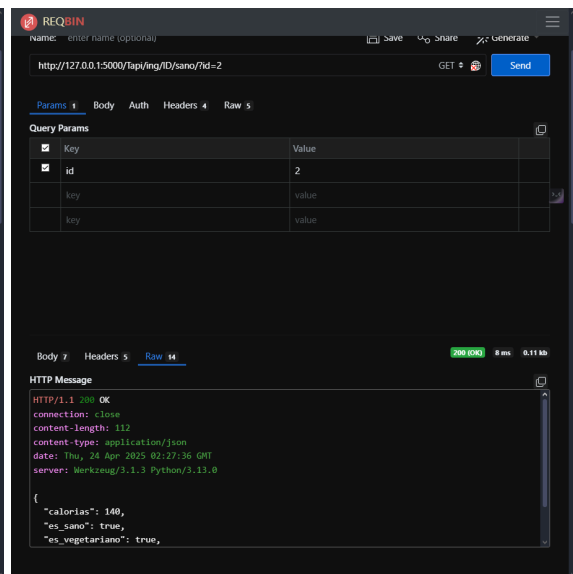
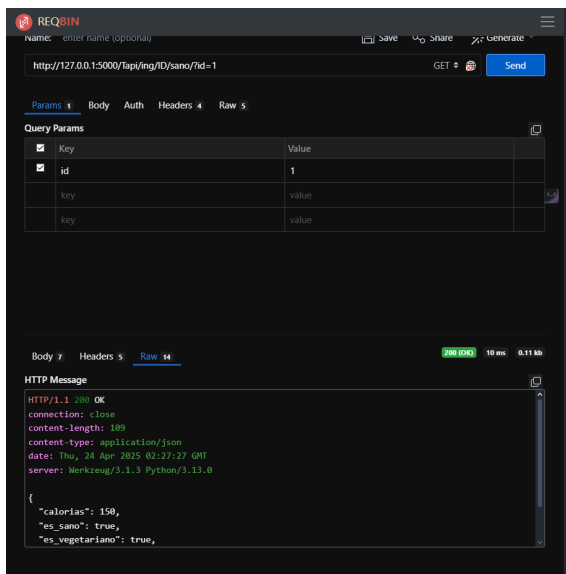
• Consultar un ingrediente según su ID



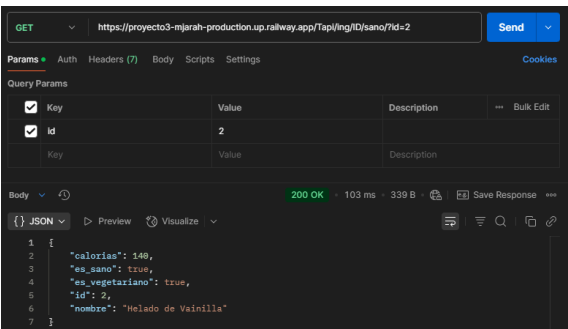
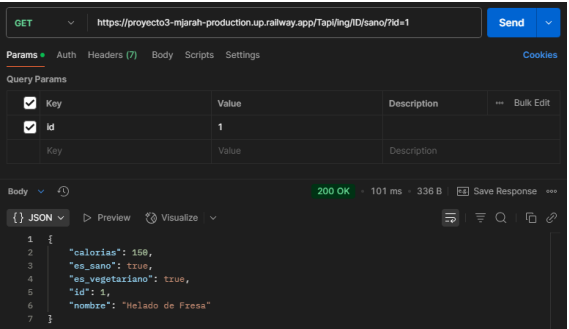
- Consultar un ingrediente según su nombre



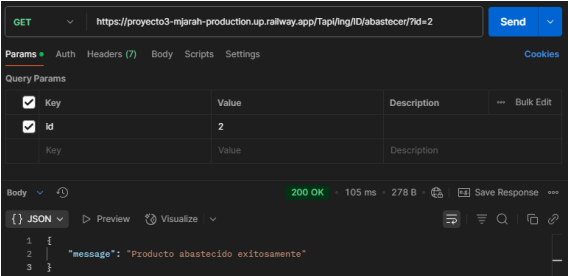
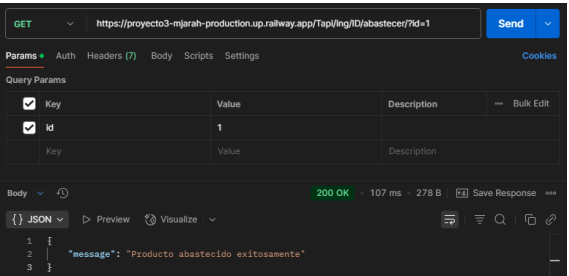
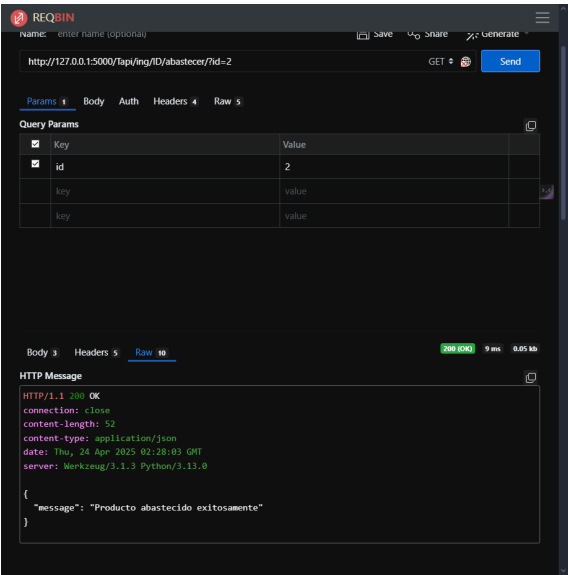
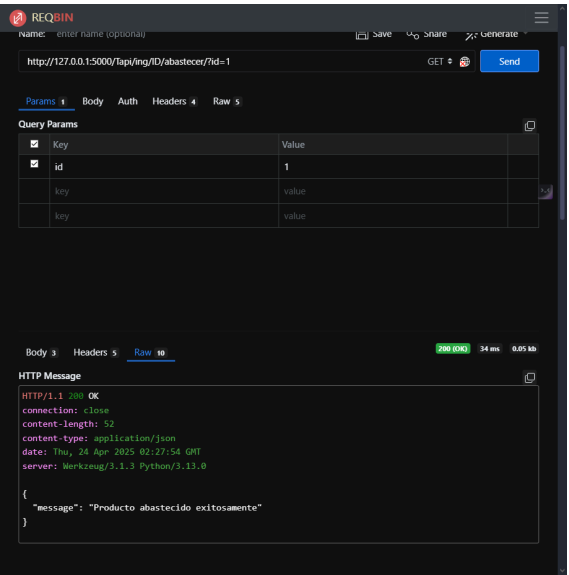
- Consultar si un ingrediente es sano según su ID







• Reabastecer un producto según su ID



- **Renovar el inventario de un producto según su ID**

The image displays four screenshots of REST client tools (ReqBin and Postman) showing HTTP requests and responses for updating inventory.

**Top Left (ReqBin):** Request to `http://127.0.0.1:5000/api/ing/ID/renovar/?id=1&cantidad=1` with query parameters `id=1` and `cantidad=1`. The response is a 200 OK status with a JSON body: `{ "message": "Producto renovado exitosamente" }`.

**Top Right (ReqBin):** Request to `http://127.0.0.1:5000/api/ing/ID/renovar/?id=2&cantidad=1` with query parameters `id=2` and `cantidad=1`. The response is a 200 OK status with a JSON body: `{ "message": "Producto renovado exitosamente" }`.

**Bottom Left (Postman):** Request to `https://proyecto3-mjarah-production.up.railway.app/api/ing/ID/renovar/?id=1&cantidad=1` with query parameters `id=1` and `cantidad=1`. The response is a 200 OK status with a JSON body: `{ "message": "Producto renovado exitosamente" }`.

**Bottom Right (Postman):** Request to `https://proyecto3-mjarah-production.up.railway.app/api/ing/ID/renovar/?id=2&cantidad=1` with query parameters `id=2` and `cantidad=1`. The response is a 200 OK status with a JSON body: `{ "message": "Producto renovado exitosamente" }`.

- **Test de API (Railway) desde Postman Online**

<https://storychara-5421790.postman.co/workspace/StoryChara's-Workspace~b649bb49-c849-4671-88df-2794fcf79d53/collection/44258180-67f9b216-8836-4e61-86ee-98eaca44f85c?action=share&creator=44258180>